

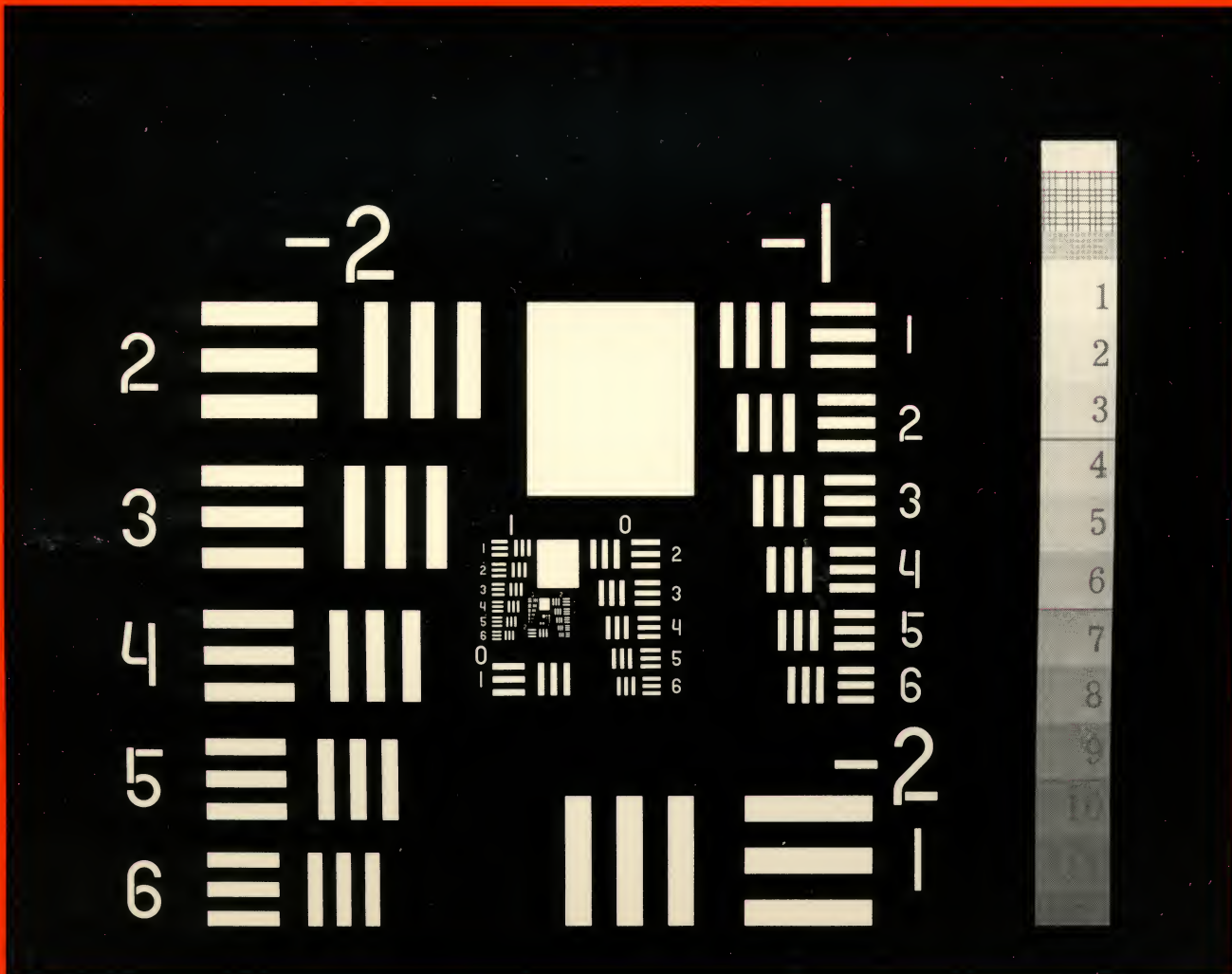


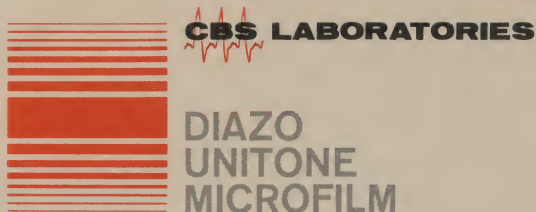
CBS LABORATORIES

**DIAZO
MICROFILM
DUPLICATING
EQUIPMENT**



CBS LABORATORIES
STAMFORD, CONNECTICUT
A DIVISION OF COLUMBIA
BROADCASTING SYSTEM, INC.





DID ANYONE TELL YOU WHY?

Everyone's talking about diazo and telling you to use it for microfilm duplication. Did anyone tell you why? Take a good look at the reasons and make up your own mind.

■ Diazo film costs a great deal less than silver halide film. It increases profits for the service company and saves money for the in-plant microfilmer.

■ Diazo is a direct transfer film. Positives duplicate positive, and negatives come out as negatives. This eliminates the resolution loss and extra cost of the intermediate step necessary with silver film.

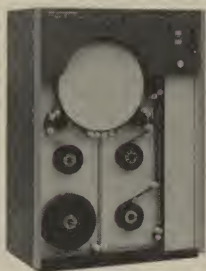
■ Diazo film develops in a dry process. No special chemicals or plumbing are necessary. No darkroom either—you handle it in normal room light.

■ Diazo film resolution capabilities are more than 1000 lines per millimeter. Duplicates made with CBS Laboratories' duplicating equipment have a resolution loss of less than 3% per generation.

■ Diazo images are actually inside the film. Not on the surface. This gives diazo microfilm a wear characteristic many times that of silver halide film.

CBS Laboratories sells microfilm. It's called UNITONE® and has an exclusive diazo coating. It comes in rolls, packages, and even in aperture cards. We think it's the best in the world—try some and see.

... and CBS Laboratories has a complete line of diazo microfilm duplicating equipment designed specifically for use with UNITONE® diazo microfilm.



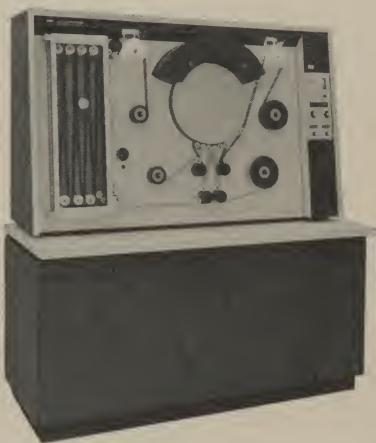
MODEL 400 DIAZO MICRODUPLICATOR™

A desk-top model roll film duplicator designed specifically for the low to medium volume microfilm user.



MODEL 601 DIAZO MICRODUPLICATOR

A rotary-type film duplicator designed for printing and processing microfiche and all other non-rigid cut films.



MODEL 303 DIAZO MICRODUPLICATOR

Designed specifically for the high volume microfilm user, this machine represents the ultimate in microfilm roll duplication at high speed and resolution.

CBS Laboratories' unique research and development capabilities are available for the custom design of systems and equipment in the broad field of diazo technology. For further information, please call or write the Professional Products Department at:

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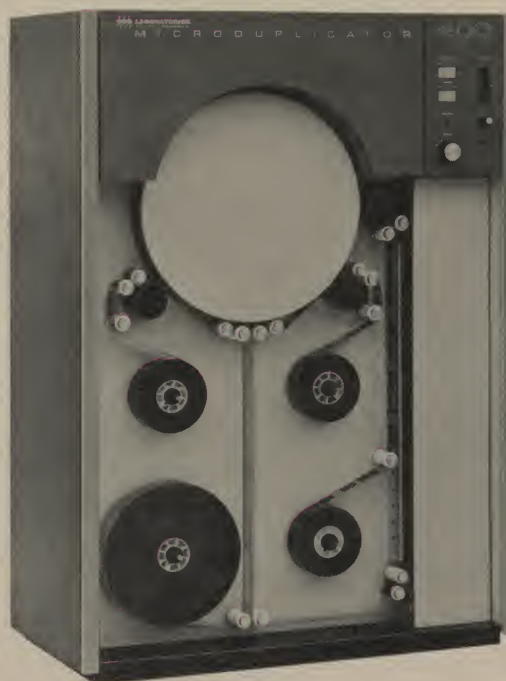
MODEL 400 DIAZO MICRODUPLICATOR

The new CBS Laboratories desk-top Model 400 Diazo Roll Microduplicator™ has been designed specifically for the low to medium volume microfilm user, and represents the ultimate in high resolution microfilm duplication at low cost. For the first time, the in-plant microfilmer can justify buying his own duplicating equipment, even with low volume. This new machine can produce diazo duplicate negatives at one-third the cost of conventional methods—and do it with higher quality.

Until now, such high quality precision equipment has only been economically available to large, high volume users of microfilm. But now, in-plant and microfilm service companies can switch to the **ultimate** method of microfilm duplication—DIAZO. No longer must the small volume user be content with low quality. The new desk-top Model 400 Microduplicator opens the door to quality microfilm duplication at low diazo prices.

For example: the Model 400 is equipped to handle 1000-foot reels of 16 or 35mm microfilm but will also handle 100-foot reels with the same speed and high resolution; the complete exposure, development, and rewind is done in one continuous cycle; a single 100-foot reel can be duplicated every six minutes or a 1000-foot roll can be completed in one hour of unattended operation; resolution loss per generation is as little as 3% and it will return a sharp black image negative copy for each original you put through. All of this in normal room light! And the Model 400 runs on a standard 115-volt line! It's the best microfilm duplicator available—try it and see.

If you want to find out how you can justify the cost of your own diazo Microduplicator, write to us today, or, if you're in a hurry, call us collect.



MODEL 400 DIAZO MICRODUPLICATOR

SPECIFICATIONS

FILM SIZE: 16mm or 35mm.

CAPACITY: 1000-foot supply and take-up.

OPTICAL SYSTEM: 800 watt UV system radiating through a precision optical system.

DEVELOPING: Completely automatic anhydrous ammonia recirculating system designed to eliminate residual film fog.

FILM LOADING: Convenient front loading under normal ambient light.

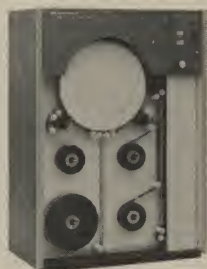
SPEED: Continuously adjustable up to 17 feet per minute.

VENTING: Self-contained high efficiency blower connects to standard 6-inch ducting.

SIZE: 28" wide; 40" high; 15" deep.

POWER REQUIREMENTS: 115 volts AC, 20 amperes.

WEIGHT: Approx. 190 lbs.



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MODEL 303 DIAZO MICRODUPLICATOR

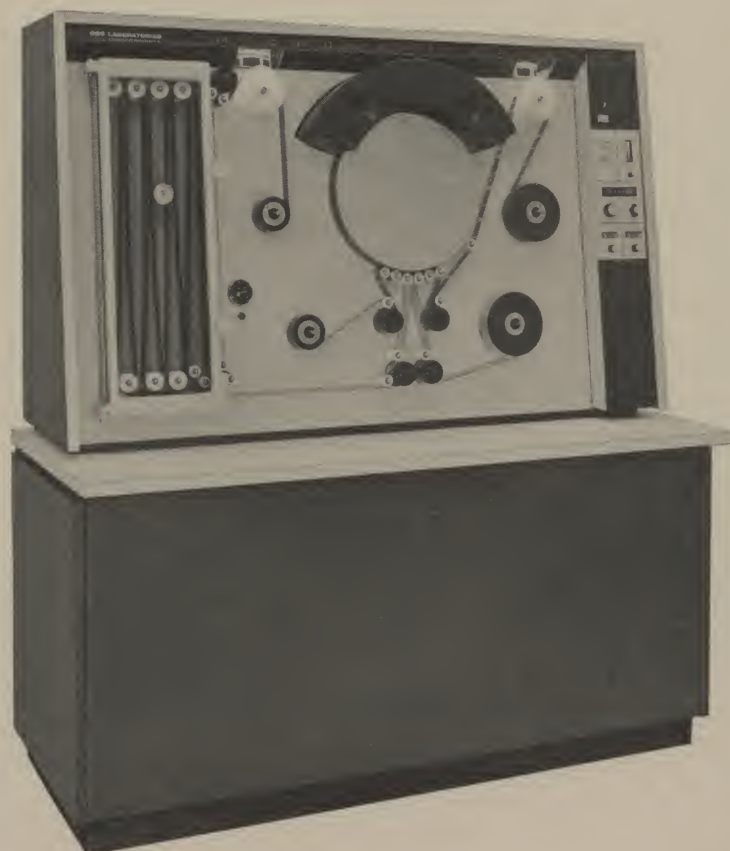
The CBS Laboratories Model 303 Diazo Roll Microduplicator™ has been designed specifically for the high volume microfilm user, and represents the ultimate in microfilm roll duplication at high speed and resolution. It is the only machine available that can duplicate film with the precision and speed required for today's microfilm distribution programs.

Using DIAZO, the **ultimate** method of microfilm duplication, the Model 303 produces diazo duplicate negatives at costs as low as one-third of conventional methods and at speeds up to 50 feet per minute! It also delivers resolution up to 500 lines per millimeter.

The Model 303 uses totally new concepts in the film transport and optical systems to achieve this high speed and resolution. For instance, it uses a patented "dynamic capstan" arrangement which eliminates all motion between master and duplicate film surfaces. The optical system radiates its UV energy in a plane perpendicular to the curved surface of the printing drum. Perhaps these facts don't mean much to you—but they are what make the Model 303 the best diazo roll Microduplicator in the world.

Some of the other outstanding features of the Model 303 are its ability to duplicate a 1000-foot roll of microfilm in as little as 20 minutes; the way it exposes, develops, and re-winds in one continuous cycle, and its operation in normal room light. No darkrooms, special plumbing, or expensive chemicals are required for operation. It has a tachometer for accurate repetitive control, translucent rollers and mirrors for continuous inspection of both the master and the processed diazo film, and an automatic anhydrous ammonia developing system designed to eliminate the residual fog sometimes associated with diazo film. Special attachments allow continuous duplication of up to 300 feet of film repeatedly without having to re-thread the master after each run.

If you want more information on how you can achieve faster and better microfilm duplication, write us today, or, if you're really in a hurry, call us collect.



MODEL 303 DIAZO MICRODUPLICATOR

SPECIFICATIONS

FILM SIZE: 16mm or 35mm.

CAPACITY: 1000-foot supply and take-up. Continuous loop attachment optional.

OPTICAL SYSTEM: 2400 watt UV system radiating through a precision optical system.

DEVELOPING: Completely automatic anhydrous ammonia recirculating system designed to eliminate residual film fog.

FILM LOADING: Convenient front loading under normal ambient light.

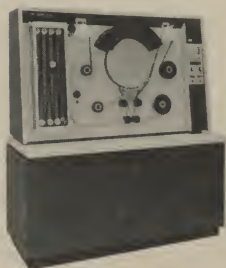
SPEED: Continuously adjustable up to 50 feet per minute.

VENTING: Self-contained high efficiency blower connects to standard 6-inch ducting.

SIZE: 59" wide; 65" high; 28" deep.

POWER REQUIREMENTS: 220 volts AC, split phase, 35-40 amperes.

WEIGHT: 840 lbs.



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MODEL 601 DIAZO MICRODUPLICATOR

The CBS Laboratories Model 601 Diazo Card Microduplicator™ is a rotary-type printer-processor designed for the diazo duplication of microfiche and all other non-rigid cut films. It is the only machine available that can do this with the precision and speed required for today's microfilm duplication and distribution programs.

Using DIAZO, the **ultimate** method of microimage duplication, the Model 601 produces diazo duplicate negatives at costs as low as one-third of conventional methods. In addition, it matches or exceeds the output of competitive equipment costing several times as much, and does it with resolution far above those "tough specifications" you've been reading about.

The Model 601 uses totally new concepts in the film transport and optical systems. For instance, we've built-in a film handling system that will not scratch or damage silver originals. Once the operator puts a master/copy set into the machine, the next step is a clear, sharp duplicate. The Model 601 even picks off the master automatically and returns it to the operator after the exposure cycle.

Unlike other rotary-type machines, the Model 601 has a super-cooled printing cylinder which can be cleaned with the machine running. It has an automatic anhydrous ammonia developing system designed to eliminate the residual film fog sometimes associated with diazo film.

The Model 601 Diazo Card Microduplicator can be bought or leased by anyone who has the problem of duplicating microfiche in production quantities at high speed and high resolution. It's the only machine that can do it!

And here's another bonus—With the automatic vacuum pick-off system turned off, the 601 is the world's finest rotary offset plate exposure unit! If your microfilm department is

near your office duplicator, you get two pieces of equipment for the price of one.

If you want more information on how you can achieve faster and better microfilm duplication, write us today, or, if you're really in a hurry, call us collect.



MODEL 601 DIAZO MICRODUPLICATOR

SPECIFICATIONS

FILM SIZE: Standard microfiche and all other non-rigid cut films in groups up to 19 inches wide.

OPTICAL SYSTEM: 4000 watt UV system radiating through a precision opto-mechanical collimating system.

DEVELOPING: Completely automatic anhydrous ammonia recirculating system designed to eliminate residual film fog.

SPEED: Synchronized, continuously adjustable printing and developing speeds.

VENTING: Self-contained blower connects to standard 6-inch ducting.

SIZE: 41" wide; 41" high; 36" deep.

POWER REQUIREMENTS: 220 volts AC, single phase, 36 amperes.

FILM SEPARATION: Automatic.

WEIGHT: Approx. 390 lbs.

PRODUCTION CAPACITY: 5" x 8" microfiche (3 up)—21 cards per minute; 4" x 6" microfiche (4 up)—40 cards per minute. This is based on operation at 5 lineal belt feet per minute which encompasses most normal exposures.



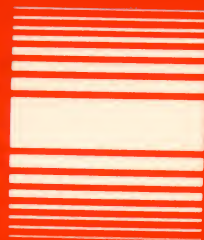
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